Rohan D Teasdale

List of Publications by Year
in descending order

118	14,981	31976	20358
papers	citations	53 h-index	116 g-index

122	122	122	22347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Transcriptional Landscape of the Mammalian Genome. Science, 2005, 309, 1559-1563.	12.6	3,227
2	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. Nature, 2002, 420, 563-573.	27.8	1,548
3	An Atlas of Combinatorial Transcriptional Regulation in Mouse and Man. Cell, 2010, 140, 744-752.	28.9	667
4	Defining Macropinocytosis. Traffic, 2009, 10, 364-371.	2.7	585
5	SIGNAL-MEDIATED SORTING OF MEMBRANE PROTEINS BETWEEN THE ENDOPLASMIC RETICULUM AND THE GOLGI APPARATUS. Annual Review of Cell and Developmental Biology, 1996, 12, 27-54.	9.4	478
6	Twenty Pairs of Sox. Developmental Cell, 2002, 3, 167-170.	7.0	472
7	Oligomeric Complexes Link Rab5 Effectors with NSF and Drive Membrane Fusion via Interactions between EEA1 and Syntaxin 13. Cell, 1999, 98, 377-386.	28.9	460
8	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. Nature Genetics, 2009, 41, 553-562.	21.4	408
9	Human pigmentation genes: identification, structure and consequences of polymorphic variation. Gene, 2001, 277, 49-62.	2.2	330
10	Insights into the PX (phox-homology) domain and SNX (sorting nexin) protein families: structures, functions and roles in disease. Biochemical Journal, 2012, 441, 39-59.	3.7	244
11	Secretory Pathway of Trypanosomatid Parasites. Microbiology and Molecular Biology Reviews, 2002, 66, 122-154.	6.6	207
12	Prediction of protein B-factor profiles. Proteins: Structure, Function and Bioinformatics, 2005, 58, 905-912.	2.6	200
13	The Vps35 <scp>D620N</scp> Mutation Linked to Parkinson's Disease Disrupts the Cargo Sorting Function of Retromer. Traffic, 2014, 15, 230-244.	2.7	186
14	EGF induces macropinocytosis and SNX1-modulated recycling of E-cadherin. Journal of Cell Science, 2007, 120, 1818-1828.	2.0	174
15	Structure of the membrane-assembled retromer coat determined by cryo-electron tomography. Nature, 2018, 561, 561-564.	27.8	169
16	Transcript Annotation in FANTOM3: Mouse Gene Catalog Based on Physical cDNAs. PLoS Genetics, 2006, 2, e62.	3.5	165
17	The Phox Homology (PX) Domain-dependent, 3-Phosphoinositide-mediated Association of Sorting Nexin-1 with an Early Sorting Endosomal Compartment Is Required for Its Ability to Regulate Epidermal Growth Factor Receptor Degradation. Journal of Biological Chemistry, 2002, 277, 48730-48736.	3.4	157
18	A Dileucine Motif Targets E-cadherin to the Basolateral Cell Surface in Madin-Darby Canine Kidney and LLC-PK1 Epithelial Cells. Journal of Biological Chemistry, 2001, 276, 22565-22572.	3.4	155

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19	A unique PDZ domain and arrestin-like fold interaction reveals mechanistic details of endocytic recycling by SNX27-retromer. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3604-13.	7.1	151
20	A large family of endosome-localized proteins related to sorting nexin 1. Biochemical Journal, 2001, 358, 7-16.	3.7	145
21	A novel Golgi-localisation domain shared by a class of coiled-coil peripheral membrane proteins. Current Biology, 1999, 9, 385-390.	3.9	139
22	In Vivo Analysis of Growth Hormone Receptor Signaling Domains and Their Associated Transcripts. Molecular and Cellular Biology, 2005, 25, 66-77.	2.3	137
23	Fast automated cell phenotype image classification. BMC Bioinformatics, 2007, 8, 110.	2.6	137
24	The Globally Disseminated M1T1 Clone of Group A Streptococcus Evades Autophagy for Intracellular Replication. Cell Host and Microbe, 2013, 14, 675-682.	11.0	134
25	A molecular code for endosomal recycling of phosphorylated cargos by the SNX27â€“retromer complex. Nature Structural and Molecular Biology, 2016, 23, 921-932.	8.2	131
26	A WAVE2â€“Arp2/3 actin nucleator apparatus supports junctional tension at the epithelial zonula adherens. Molecular Biology of the Cell, 2012, 23, 4601-4610.	2.1	129
27	Identifying the Molecular Phenotype of Renal Progenitor Cells. Journal of the American Society of Nephrology: JASN, 2004, 15, 2344-2357.	6.1	126
28	Visualisation of macropinosome maturation by the recruitment of sorting nexins. Journal of Cell Science, 2006, 119, 3967-3980.	2.0	125
29	LOCATE: a mammalian protein subcellular localization database. Nucleic Acids Research, 2007, 36, D230-D233.	14.5	124
30	Modular Detection of GFP-Labeled Proteins for Rapid Screening by Electron Microscopy in Cells and Organisms. Developmental Cell, 2015, 35, 513-525.	7.0	119
31	Retromer has a selective function in cargo sorting via endosome transport carriers. Journal of Cell Biology, 2019, 218, 615-631.	5.2	118
32	Structural basis for endosomal trafficking of diverse transmembrane cargos by PX-FERM proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E643-52.	7.1	112
33	Intracellular sorting and transport of proteins. Progress in Biophysics and Molecular Biology, 2003, 83, 1-45.	2.9	111
34	A large family of endosome-localized proteins related to sorting nexin 1. Biochemical Journal, 2001, 358, 7.	3.7	104
35	Structure of Vps26B and Mapping of its Interaction with the Retromer Protein Complex. Traffic, 2008, 9, 366-379.	2.7	104
36	Classification of the human phox homology (PX) domains based on their phosphoinositide binding specificities. Nature Communications, 2019, 10, 1528.	12.8	101

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37	Phox homology band 4.1/ezrin/radixin/moesin-like proteins function as molecular scaffolds that interact with cargo receptors and Ras GTPases. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7763-7768.	7.1	99
38	Inhibition of the PtdIns(5) kinase PIKfyve disrupts intracellular replication of Salmonella. EMBO Journal, 2010, 29, 1331-1347.	7.8	95
39	Mouse Proteome Analysis. Genome Research, 2003, 13, 1335-1344.	5.5	91
40	SVMtm: Support vector machines to predict transmembrane segments. Journal of Computational Chemistry, 2004, 25, 632-636.	3.3	87
41	Vps26A and Vps26B Subunits Define Distinct Retromer Complexes. Traffic, 2011, 12, 1759-1773.	2.7	83
42	The Golgin GCC88 Is Required for Efficient Retrograde Transport of Cargo from the Early Endosomes to the Trans-Golgi Network. Molecular Biology of the Cell, 2007, 18, 4979-4991.	2.1	82
43	A Novel Mammalian Retromer Component, Vps26B. Traffic, 2005, 6, 991-1001.	2.7	76
44	Assembly and Solution Structure of the Core Retromer Protein Complex. Traffic, 2011, 12, 56-71.	2.7	76
45	The Mouse Secretome: Functional Classification of the Proteins Secreted Into the Extracellular Environment. Genome Research, 2003, 13, 1350-1359.	5.5	73
46	LOCATE: a mouse protein subcellular localization database. Nucleic Acids Research, 2006, 34, D213-D217.	14.5	72
47	An integrated genetic and functional analysis of the role of type II transmembrane serine proteases (TMPRSSs) in hearing loss. Human Mutation, 2008, 29, 130-141.	2.5	70
48	Parkinson Disease-linked Vps35 R524W Mutation Impairs the Endosomal Association of Retromer and Induces Î±-Synuclein Aggregation. Journal of Biological Chemistry, 2016, 291, 18283-18298.	3.4	68
49	A Novel Hook-Related Protein Family and the Characterization of Hook-Related Protein 1. Traffic, 2005, 6, 442-458.	2.7	67
50	A Bioinformatic Strategy for the Detection, Classification and Analysis of Bacterial Autotransporters. PLoS ONE, 2012, 7, e43245.	2.5	65
51	Sorting nexin 5 is localized to a subdomain of the early endosomes and is recruited to the plasma membrane following EGF stimulation. Journal of Cell Science, 2004, 117, 6413-6424.	2.0	64
52	Phosphoinositide 3-kinase Î´ regulates membrane fission of Golgi carriers for selective cytokine secretion. Journal of Cell Biology, 2010, 190, 1053-1065.	5.2	60
53	The SNX-PX-BAR Family in Macropinocytosis: The Regulation of Macropinosome Formation by SNX-PX-BAR Proteins. PLoS ONE, 2010, 5, e13763.	2.5	56
54	Dppa3 is a marker of pluripotency and has a human homologue that is expressed in germ cell tumours. Cytogenetic and Genome Research, 2003, 101, 261-265.	1.1	55

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55	Structural basis for the hijacking of endosomal sorting nexin proteins by Chlamydia trachomatis. ELife, 2017, 6, .	6.0	55
56	Prediction of Golgi Type II membrane proteins based on their transmembrane domains. Bioinformatics, 2002, 18, 1109-1115.	4.1	52
57	Contextual Binding of p120 to E-cadherin at the Basolateral Plasma Membrane in Polarized Epithelia. Journal of Biological Chemistry, 2003, 278, 43480-43488.	3.4	52
58	Evaluation and comparison of mammalian subcellular localization prediction methods. BMC Bioinformatics, 2006, 7, S3.	2.6	52
59	Post-translational modifications distinguish cell surface from Golgi-retained Î²1,4 galactosyltransferase molecules. Golgi localization involves active retention. Glycobiology, 1994, 4, 917-928.	2.5	51
60	Predicting the Solvent Accessibility of Transmembrane Residues from Protein Sequence. Journal of Proteome Research, 2006, 5, 1063-1070.	3.7	51
61	Targeting of proteins to the Golgi apparatus. Glycoconjugate Journal, 1994, 11, 381-394.	2.7	50
62	Identification and Analysis of Chromodomain-Containing Proteins Encoded in the Mouse Transcriptome. Genome Research, 2003, 13, 1416-1429.	5.5	50
63	A role for SNX5 in the regulation of macropinocytosis. BMC Cell Biology, 2008, 9, 58.	3.0	49
64	Sorting nexin 27 couples PTHR trafficking to retromer for signal regulation in osteoblasts during bone growth. Molecular Biology of the Cell, 2016, 27, 1367-1382.	2.1	48
65	Genomic screen for genes involved in mammalian craniofacial development. Genesis, 2003, 35, 73-87.	1.6	47
66	Targeting of the GRIP domain to the trans-Golgi network is conserved from protists to animals. European Journal of Cell Biology, 2002, 81, 485-495.	3.6	45
67	Macropinosome quantitation assay. MethodsX, 2014, 1, 36-41.	1.6	45
68	Structural Basis for Different Phosphoinositide Specificities of the PX Domains of Sorting Nexins Regulating G-protein Signaling. Journal of Biological Chemistry, 2014, 289, 28554-28568.	3.4	43
69	Polarized trafficking of E-cadherin is regulated by Rac1 and Cdc42 in Madin-Darby canine kidney cells. American Journal of Physiology - Cell Physiology, 2005, 288, C1411-C1419.	4.6	41
70	SseK3 Is a Salmonella Effector That Binds TRIM32 and Modulates the Hostâ€™s NF-ÎºB Signalling Activity. PLoS ONE, 2015, 10, e0138529.	2.5	38
71	Spatial gene expression in the T-stage mouse metanephros. Gene Expression Patterns, 2006, 6, 807-825.	0.8	37
72	Identification of a Golgi-localised GRIP domain protein from Arabidopsis thaliana. Planta, 2004, 219, 1050-1056.	3.2	36

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73	Expression of the tudor-related gene Tdrd5 during development of the male germline in mice. Gene Expression Patterns, 2004, 4, 701-705.	0.8	34
74	Differential Use of Signal Peptides and Membrane Domains Is a Common Occurrence in the Protein Output of Transcriptional Units. PLoS Genetics, 2006, 2, e46.	3.5	34
75	Sorting nexin 27 (SNX27) regulates the trafficking and activity of the glutamine transporter ASCT2. Journal of Biological Chemistry, 2018, 293, 6802-6811.	3.4	31
76	Analysis of the Mouse Transcriptome for Genes Involved in the Function of the Nervous System. Genome Research, 2003, 13, 1395-1401.	5.5	30
77	SNX5 is essential for efficient macropinocytosis and antigen processing in primary macrophages. Biology Open, 2012, 1, 904-914.	1.2	30
78	Towards defining the nuclear proteome. Genome Biology, 2008, 9, R15.	9.6	29
79	Phosphoinositide binding by the SNX27 FERM domain regulates localisation at the immune synapse of activated T-cells. Journal of Cell Science, 2015, 128, 553-65.	2.0	28
80	Functional characterization of retromer in GLUT4 storage vesicle formation and adipocyte differentiation. FASEB Journal, 2016, 30, 1037-1050.	0.5	27
81	Computational differentiation of N-terminal signal peptides and transmembrane helices. Biochemical and Biophysical Research Communications, 2003, 312, 1278-1283.	2.1	26
82	SopB-Mediated Recruitment of SNX18 Facilitates Salmonella Typhimurium Internalization by the Host Cell. Frontiers in Cellular and Infection Microbiology, 2017, 7, 257.	3.9	26
83	Statistical and visual differentiation of subcellular imaging. BMC Bioinformatics, 2009, 10, 94.	2.6	23
84	Soluble NSF attachment protein receptor molecular mimicry by aLegionella pneumophilaâ€¦Dot/Icm effector. Cellular Microbiology, 2015, 17, 767-784.	2.1	23
85	The functional roles of retromer in Parkinson's disease. FEBS Letters, 2018, 592, 1096-1112.	2.8	23
86	Identifying novel peroxisomal proteins. Proteins: Structure, Function and Bioinformatics, 2007, 69, 606-616.	2.6	22
87	SNX27 links DGKÎ¶ to the control of transcriptional and metabolic programs in T lymphocytes. Scientific Reports, 2017, 7, 16361.	3.3	21
88	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. Autophagy, 2021, 17, 2200-2216.	9.1	21
89	Formation of retromer transport carriers is disrupted by the Parkinson diseaseâ€linked Vps35 <scp>D620N</scp> variant. Traffic, 2021, 22, 123-136.	2.7	21
90	Subcellular Localization of Mammalian Type II Membrane Proteins. Traffic, 2006, 7, 613-625.	2.7	19

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91	Live imaging of endosome dynamics. Seminars in Cell and Developmental Biology, 2014, 31, 11-19.	5.0	19
92	Genes induced by growth hormone in a model of adipogenic differentiation. Molecular and Cellular Endocrinology, 2002, 189, 213-219.	3.2	18
93	PhosphoregDB: the tissue and sub-cellular distribution of mammalian protein kinases and phosphatases. BMC Bioinformatics, 2006, 7, 82.	2.6	18
94	Structure and Membrane Binding Properties of the Endosomal Tetratricopeptide Repeat (TPR) Domain-containing Sorting Nexins SNX20 and SNX21. Journal of Biological Chemistry, 2015, 290, 14504-14517.	3.4	18
95	Retromer's Role in Endosomal Trafficking and Impaired Function in Neurodegenerative Diseases. Current Protein and Peptide Science, 2017, 18, 687-701.	1.4	18
96	Laser-mediated rupture of chlamydial inclusions triggers pathogen egress and host cell necrosis. Nature Communications, 2017, 8, 14729.	12.8	17
97	Visualizing and clustering high throughput sub-cellular localization imaging. BMC Bioinformatics, 2008, 9, 81.	2.6	15
98	MemO: a consensus approach to the annotation of a protein's membrane organization. In Silico Biology, 2006, 6, 387-99.	0.9	12
99	De novo macrocyclic peptides for inhibiting, stabilizing, and probing the function of the retromer endosomal trafficking complex. Science Advances, 2021, 7, eabg4007.	10.3	11
100	Differential gene expression in the developing mouse ureter. Gene Expression Patterns, 2006, 6, 519-538.	0.8	10
101	Definition and spatial annotation of the dynamic secretome during early kidney development. Developmental Dynamics, 2006, 235, 1709-1719.	1.8	10
102	Salmonella effector SopD2 interferes with Rab34 function. Cell Biology International, 2017, 41, 433-446.	3.0	10
103	Subcellular Fractionation of Hela Cells for Lysosome Enrichment Using a Continuous Percoll-density Gradient. Bio-protocol, 2019, 9, e3362.	0.4	10
104	Little evidence that FAM65B belongs to the family of phox homology (PX) and bin/amphiphysin/rvs (BAR) domain-containing proteins. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4064-E4064.	7.1	9
105	MTMR4 Is Required for the Stability of the Salmonella-Containing Vacuole. Frontiers in Cellular and Infection Microbiology, 2016, 6, 91.	3.9	9
106	Identification and analysis of novel genes expressed in the mouse embryonic facial primordia. Frontiers in Bioscience - Landmark, 2006, 11, 2631.	3.0	8
107	Analyzing Realâ€Time Video Microscopy: The Dynamics and Geometry of Vesicles and Tubules in Endocytosis. Current Protocols in Cell Biology, 2007, 35, Unit 4.16.	2.3	7
108	Vps26Bâ€retromer negatively regulates plasma membrane resensitization of PARâ€2. Cell Biology International, 2015, 39, 1299-1306.	3.0	7

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109	Redirection of renal mesenchyme to stromal and chondrocytic fates in the presence of TGF-Î²2. Differentiation, 2010, 79, 272-284.	1.9	6
110	Determining Nucleolar Association from Sequence by Leveraging Protein-Protein Interactions. Journal of Computational Biology, 2008, 15, 291-304.	1.6	5
111	Downregulation of SNX27 expression does not exacerbate amyloidogenesis in the APP/PS1 Alzheimer's disease mouse model. Neurobiology of Aging, 2019, 77, 144-153.	3.1	5
112	Sortilin is associated with the chlamydial inclusion and is modulated during infection. Biology Open, 2016, 5, 429-435.	1.2	4
113	Retromer dependent changes in cellular homeostasis and Parkinsonâ€™s disease. Essays in Biochemistry, 2021, , .	4.7	3
114	A Novel Type III Endosome Transmembrane Protein, TEMP. Cells, 2012, 1, 1029-1044.	4.1	1
115	A role of GCC88 in the retrograde transport of CIâ€M6PR and the maintenance of lysosomal activity. Cell Biology International, 2019, 43, 1234-1244.	3.0	1
116	Linear models for endocytic transformations from live cell imaging. ANZIAM Journal, 0, 51, 156.	0.0	1
117	Expression and localization of proteins in mammalian cells. , 2005, , .		0
118	Introduction to special issue on endosome dynamics. Seminars in Cell and Developmental Biology, 2014, 31, 1.	5.0	0